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AMENDMENTS IN THE CLAIMS

- 1 1. (Currently amended) An apparatus, comprising:
- 2 one or more server components operable to communicate with one or more
- 3 router components, wherein the one or more server components are operable to
- 4 employ one or more identifiers of one or more user communication devices that
- 5 comprise a mobile telephone to make a determination of one or more internet protocol
- 6 addresses of the one or more router components, and wherein the one or more
- 7 identifiers comprise any one or more of:
- 8 a phone number for one or more users associated with the one or more user
- 9 communication devices;
- 10 an email address for the one or more users associated with the one or more user
- 11 communication devices;
- 12 an instant message name for the one or more users associated with the one or
- 13 more user communication devices; and
- 14 a user name for the one or more users associated with the one or more user
- 15 communication devices;

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16 wherein the one or more server components are operable to assign an internet
17 protocol address to the one or more user communication devices, and wherein at least
18 one of the one or more server components comprises a biological or an atomic data
19 storage medium, and wherein the one or more server components are operable to
20 employ at least one of the one or more identifiers and one or more screening
21 preferences to direct a voice over Internet Protocol (VOIP) call as one of one or more
22 messages or calls through the one or more router components to the one or more user
23 communication devices.

1 2. (Previously presented) The apparatus of claim 1, wherein the one or more
2 server components are operable to employ the one or more identifiers of the one or
3 more user communication devices to search one or more databases to make the
4 determination of the one or more internet protocol addresses of the one or more router
5 components.

1 3. (Previously presented) The apparatus of claim 2, wherein one or more of
2 the one or more internet protocol addresses of one or more of the one or more router
3 components comprise one or more dynamic internet protocol address of the one or
4 more of the one or more router components; and

5 wherein one or more of the one or more server components are operable to
6 search one or more of the one or more databases to make a determination of the one or
7 more dynamic internet protocol addresses of the one or more of the one or more router
8 components.

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1 4. (Previously presented) The apparatus of claim 2, wherein one or more of
2 the one or more internet protocol addresses of one or more of the one or more router
3 components comprise one or more static internet protocol addresses of the one or more
4 of the one or more router components; and

5 wherein one or more of the one or more server components are operable to
6 search one or more of the one or more databases to make a determination of the one or
7 more static internet protocol addresses of the one or more of the one or more router
8 components.

1 5. (Previously presented) The apparatus of claim 1, wherein upon the
2 determination by the one or more server components of the one or more internet
3 protocol addresses of the one or more router components, one or more of the one or
4 more server components are operable to communicate the one or more messages or
5 calls through the internet to the one or more internet protocol addresses of the one or
6 more router components.

1 6. (Previously presented) The apparatus of claim 5, wherein one or more of
2 the one or more messages or calls comprise one or more video messages; and

3 wherein upon the determination by the one or more server components of the
4 one or more internet protocol addresses of the one or more router components, the one
5 or more of the one or more server components are operable to communicate the one or
6 more video messages through the internet to one or more of the one or more internet
7 protocol address of one or more of the one or more router components.

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1 7. (Previously presented) The apparatus of claim 5, wherein the one or more
2 of the one or more server components comprise one or more first server components,
3 the apparatus in combination with:

4 one or more second server components that are operable to employ the one or
5 more identifiers of the one or more user communication devices to direct the one or
6 more messages or calls through the one or more router components to the one or more
7 user communication devices.

1 8. (Previously presented) The apparatus of claim 7, wherein one or more of
2 the one or more second server components are operable to employ the one or more
3 screening preferences of one or more of the one or more users associated with one or
4 more of the one or more user communication devices to direct one or more of the one
5 or more messages or calls to the one or more of the one or more user communication
6 devices.

1 9. (Previously presented) The apparatus of claim 8, wherein the one or more
2 screening preferences are stored in one or more databases, and wherein the one or
3 more of the one or more second server components are operable to employ the one or
4 more of the one or more messages or calls to perform a search of the one or more
5 screening preferences, and wherein the one or more of the one or more second server
6 components are operable to employ one or more results of the search to direct the one
7 or more of the one or more messages to the one or more of the one or more user
8 communication devices.

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1 10. (Previously presented) The apparatus of claim 7, wherein one or more of
2 the one or more router components are coupled with a landline telephone network; and
3 wherein one or more of the one or more second server components are operable
4 to direct one or more landline telephone calls from the landline telephone network
5 through one or more of the one or more router components to one or more of the one or
6 more user communication devices.

1 11. (Previously presented) The apparatus of claim 7, wherein one or more of
2 the one or more router components are coupled with a mobile network; and
3 wherein one or more of the one or more second server components are operable
4 to direct one or more mobile phone calls from the mobile network through one or more
5 of the one or more router components to one or more of the one or more user
6 communication devices.

1 12. (Previously presented) The apparatus of claim 7, wherein the one or more
2 of the one or more user communication devices comprise one or more smart appliances
3 with one or more functions; and
4 wherein one or more of the one or more second server components are operable
5 to direct one or more of the one or more messages or calls through one or more of the
6 one or more router components to trigger one or more of the one or more functions of
7 the one or more smart appliances.

1 13. (Previously presented) The apparatus of claim 1 further comprising:
2 one or more mobile communication devices;

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3 wherein upon the determination by the one or more server components of the
4 one or more internet protocol addresses of the one or more router components, the one
5 or more mobile communication devices are operable to employ an H.323 protocol to
6 communicate one or more messages or calls through the internet to one or more of the
7 one or more internet protocol address of one or more of the one or more router
8 components.

1 14. (Previously presented) The apparatus of claim 1, wherein the one or more
2 of the one or more server components comprise one or more first server components;
3 and

4 wherein the one or more first server components are operable to employ the one
5 or more identifiers of the one or more user communication devices to search one or
6 more databases to make the determination of the one or more internet protocol
7 addresses of the one or more router components; and

8 wherein upon the determination by the one or more first server components of
9 the one or more internet protocol addresses of the one or more router components, one
10 or more of the one or more first server components are operable to communicate one or
11 more messages or calls through the internet to the one or more internet protocol
12 addresses of the one or more router components;

13 the apparatus further comprising:

14 one or more second server components;

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15 wherein upon receipt of the one or more messages or calls at the one or more
16 router components, the one or more second server components are operable to employ
17 the one or more identifiers of the one or more user communication devices to direct the
18 one or more messages or calls through the one or more router components to the one
19 or more user communication devices.

1 15. (Currently amended) A method, comprising the steps of:

2 searching one or more databases with one or more identifiers of one or more
3 user communication devices that comprise a mobile telephone to make a determination
4 of one or more internet protocol addresses of one or more router components, wherein
5 the one or more identifiers comprise any one or more of a phone number, an email
6 address, an instant message name[, and a user name of user associated with a
7 communication device;

8 sending one or more messages or calls to the one or more internet protocol
9 addresses of the one or more router components for direction to the one or more user
10 communication devices;

11 assigning, via one or more server components, an internet protocol address to
12 the one or more user communication devices, wherein at least one of the one or more
13 server components comprises a biological or an atomic data storage medium; and

14 employing at least one of the one or more identifiers to direct a voice over
15 Internet Protocol (VOIP) call as one of the one or more messages or calls through the
16 one or more router components to the one or more user communication devices.

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1 16. (Previously presented) The method of claim 15, wherein one or more of
2 the one or more internet protocol addresses of the one or more router components
3 comprise one or more dynamic internet protocol addresses of one or more of the one or
4 more router components, and wherein the step of searching the one or more databases
5 with the one or more identifiers of the one or more user communication devices to make
6 the determination of the one or more internet protocol addresses of the one or more
7 router components further comprises the steps of:

8 searching one or more of the one or more databases make the determination of
9 the one or more dynamic internet protocol addresses of the one or more of the one or
10 more router components; and

11 sending one or more of the one or more messages or calls through the internet to
12 the one or more dynamic internet protocol addresses of the one or more of the one or
13 more router components.

1 17. (Previously presented) The method of claim 15, wherein one or more of
2 the one or more internet protocol addresses of the one or more router components
3 comprise one or more static internet protocol addresses of one or more of the one or
4 more router components, and wherein the step of searching the one or more databases
5 with the one or more identifiers of the one or more user communication devices to make
6 the determination of the one or more internet protocol addresses of the one or more
7 router components further comprises the steps of:

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8 searching one or more of the one or more databases to make the determination
9 of the one or more static internet protocol addresses of the one or more of the one or
10 more router components; and

11 sending one or more of the one or more messages or calls through the Internet to
12 the one or more static internet protocol addresses of the one or more of the one or more
13 router components.

1 18. (Previously presented) The method of claim 15, wherein the one or more
2 user communication devices comprise one or more smart appliances, and wherein the
3 step of sending the one or more messages or calls to the one or more internet protocol
4 addresses of the one or more router components for direction to the one or more user
5 communication devices further comprises the step of:
6 triggering one or more functions of the one or more smart appliances through
7 direction of one or more of the one or more messages or calls through one or more of
8 the one or more router components.

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1 19. (Previously presented) The method of claim 15, wherein the one or more
2 databases comprise one or more first databases, and wherein the step of sending the
3 one or more messages or calls to the one or more internet protocol addresses of the
4 one or more router components for direction to the one or more user communication
5 devices further comprises the steps of:

6 searching one or more second databases to direct one or more of the one or
7 more messages or calls to one or more of the one or more user communication devices;

8 directing the one or more of the one or more communication messages to the
9 one or more of the one or more user communication devices through employment of
10 one or more of the one or more identifiers and one or more message screening
11 preferences of one or more users of the one or more user communication devices.

1 20. (Previously presented) The method of claim 15, wherein one or more of
2 the one or more communication messages comprise one or more video messages, and
3 wherein the step of sending the one or more messages or calls to the one or more
4 internet protocol addresses of the one or more router components for direction to the
5 one or more user communication devices further comprises the steps of:

6 communicating the one or more video messages through the internet to the one
7 or more internet protocol address of the one or more router components.

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1 21. (Currently amended) A non-transitory computer-readable medium having
2 computer executable instructions for performing steps, the computer-readable medium
3 being operable to communicate with one or more router components, wherein one or
4 more identifiers of one or more user communication devices that comprise a mobile
5 telephone comprise any one or more of a phone number, an email address, an instant
6 message name, and a user name of user associated with a communication device,
7 comprising:

8 ~~means in the computer-readable medium for searching one or more databases~~
9 with the one or more identifiers of the one or more user communication devices to make
10 a determination of one or more internet protocol addresses of the one or more router
11 components;

12 ~~means in the computer-readable medium for sending one or more messages or~~
13 calls to the one or more internet protocol addresses of the one or more router
14 components for direction to the one or more user communication devices;

15 ~~means in the computer-readable medium for assigning, via one or more server~~
16 ~~components~~, an Internet protocol address to the one or more user communication
17 devices, wherein at least one of the one or more server components comprises a
18 biological or an atomic data storage medium; and

19 ~~means in the computer-readable medium for employing at least one of the one or~~
20 more identifiers to direct a voice over Internet Protocol (VOIP) call as one of the one or
21 more messages or calls through the one or more router components to the one or more
22 user communication devices.

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1 22. (Currently amended) The apparatus of claim 1, wherein the one or more
2 user communication devices comprise one or more of a computer, an internet
3 telephone, a landline telephone, the ~~the~~ mobile communication device, a television, a
4 smart appliance, a voice mailbox, and an answering machine.

1 23. (Previously presented) The apparatus of claim 1, wherein the one or more
2 router components are located in one or more homes or offices, the one or more router
3 components being operable to receive a call or message from a network component
4 through a fixed wireless interface.

1 24. (Previously presented) The apparatus of claim 1, wherein the one or more
2 server components are operable to employ the one or more messages or calls to
3 perform a search for the screening preferences to direct the one or more messages or
4 calls.

1 25. (Previously presented) The apparatus of claim 1, wherein one of the
2 screening preferences is a preference for one or more of the user communication
3 devices.

1 26. (Previously presented) The apparatus of claim 1, wherein one of the
2 screening preferences is a forwarding preference which directs the one or more
3 messages or calls to another communication device.

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1 27. (Previously presented) The apparatus of claim 1, wherein one of the
2 screening preferences is a forwarding preference which directs the one or more
3 messages or calls to another router component in another location.

1 28. (Previously presented) The apparatus of claim 1, wherein one of the
2 screening preferences is a preference for a voice mailbox or an answering machine.

1 29. (Previously presented) The apparatus of claim 1, wherein the one or more
2 server components or the one or more router components assign the internet protocol
3 address to the one or more user communication devices.

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1 30. (Currently amended) An apparatus, comprising:

2 one or more server components operable to communicate with one or more
3 router components, wherein the one or more server components are operable to
4 employ one or more identifiers of one or more user communication devices that
5 comprise a mobile telephone to make a determination of one or more internet protocol
6 addresses of the one or more router components, and wherein the one or more
7 identifiers comprise any one or more of:

8 a phone number for one or more users associated with the one or more user
9 communication devices;

10 an email address for the one or more users associated with the one or more user
11 communication devices;

12 an instant message name for the one or more users associated with the one or
13 more user communication devices; and

14 a user name for the one or more users associated with the one or more user
15 communication devices;

16 wherein the one or more router components are operable to assign an internet
17 protocol address to the one or more user communication devices, and wherein the one
18 or more server components are operable to employ at least one of the one or more
19 identifiers to direct one or more messages or calls through the one or more router
20 components to the one or more user communication devices.

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